

DMS 1592

MATERIAL SAFETY DATA SHEET

00370

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME TIMET Div., Titanium Metals Corp. of America		EMERGENCY TELEPHONE NO. 564-2544 (702)
ADDRESS (Number, Street, City, State, and ZIP Code) BMI Complex Henderson, Nevada 89015		
CHEMICAL NAME AND SYNONYMS Titanium		
CHEMICAL FAMILY Elemental Metal	FORMULA Ti	TiF-1, TiF-1A Titanium Fines

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL	100	-
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	> 3000°C	SPECIFIC GRAVITY (H ₂ O=1)	4.5
VAPOR PRESSURE (mm Hg.)	N.A.	PERCENT VOLATILE BY VOLUME (%)	N.A.
VAPOR DENSITY (AIR=1)	N.A.	EVAPORATION RATE (_____=1)	N.A.
SOLUBILITY IN WATER	N.A.		
APPEARANCE AND ODOR Grey metallic powder - No odor			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	N.A.	FLAMMABLE LIMITS	LeI	UeI
			N.A.	N.A.
EXTINGUISHING MEDIA None - Dry NaCl, CaCl ₂ , KCl, Salts will contain to reduce oxygen supply				
SPECIAL FIRE FIGHTING PROCEDURES Cover with dry salt - Do not use oxygen containing compounds				
UNUSUAL FIRE AND EXPLOSION HAZARDS Can be ignited by static charge in screening etc. Keep equipment grounded.				

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SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

N.A.

EFFECTS OF OVEREXPOSURE

EMERGENCY AND FIRST AID PROCEDURES

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

INCOMPATIBILITY (Materials to avoid)

Mineral Acids (HCl - HF - H₂SO₄)

HAZARDOUS DECOMPOSITION PRODUCTS

Hydrogen

HAZARDOUS
POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

X

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Sweep, shovel or hose material into containers

WASTE DISPOSAL METHOD

Bury

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

Dust Mask

VENTILATION

LOCAL EXHAUST

X

SPECIAL

MECHANICAL (General)

OTHER

PROTECTIVE GLOVES

Normal Safety

EYE PROTECTION

Safety Glasses

OTHER PROTECTIVE EQUIPMENT

Flame Resistant Coveralls

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Prevent static charge by grounding all equipment. Use explosion proof electrical gear. Eliminate all ignition sources such as

OTHER PRECAUTIONS

open flame, weld spatter, etc.

Do not allow build-up of dust.